

**JP 03017120**

AN 1991-069078 [10] WPIX  
DNC C1991-029340  
TI Polyphenylene polymers used as conductive material or display material -  
are produced by chemical or electrochemical-oxidative polymerising of  
specified fluorene derivs..  
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PA (IDEK) IDEMITSU KOSAN CO LTD  
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PI JP 03017120 A 19910125 (199110)\*  
ADT JP 03017120 A JP 1989-150558 19890615  
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AB JP 03017120 A UPAB: 19930928

Polyphenylene (PPL) polymers contain repeat units of formula (I) and  
have a wt. average mol.wt. of at least 3000, (where R<sub>1</sub>, R<sub>2</sub> = H, 1-30C  
alkyl, cycloalkyl gps.; n = an actual number of at least 1).

The PPL polymers are produced by chemical-oxidative-polymerising or  
electrochemical-oxidative-polymerising fluorene derivs. of formula (II).

USE/ADVANTAGE - The PPL polymers are used as conductive material,  
display material and mechanochemical material. The PPL polymers have  
conductivity and moulding processability and are produced easily and  
efficiently. The PPL polymers can have varied colours and conductivities  
through doping.

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